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of Engineers®

ENGINEERING AND CONSTRUCTION BULLETIN

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Subject: Changes to Earth Covered Magazine Designs

Applicability: Information

1. On 2 Apr 02, the Department of Defense Explosives Safety Board lowered the rating of existing series 421-80-06 earth covered magazines (ECMs) from 7-bar to undefined. The rating change was necessitated by recently discovered deficiencies in the door and door support design for series 421-80-06 ECMs. No other ECMs are affected. This change will impact explosives safety site plans that include series 421-80-06 ECMs.
2. Upon discovering the deficiencies in their door and door frame design, the Air Force Safety Center (AFSC) initiated work on a retrofit package. Once completed, this retrofit package will provide design requirements for upgrading existing series 421-80-06 ECMs to withstand 7-bar loading. This package will include a new, more robust door and details for strengthening the door frame.
3. Ms. Lea Ann Cotton (AFSC) is managing the distribution of the retrofit package. Ms. Cotton may be contacted by e-mail at LeaAnn.Cotton@kafb.saia.af.mil or by phone at DSN 246-1395, comm. 505-846-2395.
4. Point of contact for this bulletin is Joe Hartman, CECW-EI, 202-761-0301.

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